

Technical Data Sheet

Product Name: **Barite 14**



GOLDEN LIME

PRODUCT DESCRIPTION

Barite Ultra-Fine weighting media is a high quality, drilling grade barite (barium sulphate) used to increase the density of drilling fluids. It is ground to a finer particle size than regular API-spec barite. This product has been developed to enable drilling fluids to be run with lower viscosity and hence lower ECD values and pump pressures, with much reduced risk of barite sag.

FUNCTIONS

Barite Ultra-Fine can be used to increase the density of high-performance water-based and oil-based fluids used on critical wells where is a requirement to minimize the equivalent circulating density (ECD) and/or the pump pressure and avoid barite sag. it is particularly useful on ERD wells, slim hole wells (either TTRD or coiled tubing) and HTHP or other wells with a narrow margin between pore and frac pressure or where extended circulation at low circulation rates is likely.

Mud properties, including plastic viscosity and gels, are very similar to those obtained with regular API-spec barite. In oil-based fluids, slightly higher additions of emulsifiers may be required to maintain fluid loss control due to the higher surface area of the particles.

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ADVANTAGES

- Allows fluids to be formulated with lower viscosity (Fann 6-rpm in the range 5-8 at 120°F/49°C is suggested) to reduce ECD and pump pressure.
- Allows use of fine shaker screens without loss of weight material – reduces solids build-up and dilution rates.
- Improved centrifuge performance with better ratio of LGS/HGS remove.
- Chemically inert and insoluble.
- Does not react with other drilling fluid additives or interfere with their function.
- Minimal abrasion.

TYPICAL PROPERTIES

- Physical appearance: Grey to dark grey and pink fine powder
- Specific gravity: 4.10-4.20 minimum
- Soluble hardness as calcium: 250mg/kg max

PARTICLES SIZE

- D 10 = 0.5–1.0 micron
- D 50 = 11–14 micron
- D 97 = 32–36 micron

PACKAGING

Barite Ultra-Fine is packaged in 25 bags per pallet. All pallets are stretch-wrapped, each bag weight 50 kg. Also pack in 1,500 kg. Jumbo PP bag